

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A diffusing layer ~~based on~~ comprising a mineral ~~particle layer particles, intended to make a light source homogeneous, characterized in that it~~ incorporates and an electromagnetic insulating device ~~whose~~ with a resistance per square is greater than $100\ \Omega$.

Claim 2 (Currently Amended): The diffusing layer as claimed in claim 1, ~~characterized in that the~~ wherein the electromagnetic insulating device has a resistance per square is between 300 and $700\ \Omega$.

Claim 3 (Currently Amended): The diffusing layer as claimed in claim 1, ~~characterized in that~~ wherein the electromagnetic insulating device consists of at least one electrically conducting layer that is translucent in the visible domain, said conducting layer being deposited as close as possible to the ~~diffusing~~ mineral particle layer.

Claim 4 (Currently Amended): The diffusing layer as claimed in claim 3, ~~characterized in that~~ wherein the conducting layer is based on powder of comprises a transparent conducting oxide ~~such as F:SnO₂, Sb:SnO₂, Sn:In₂O₃, Al:ZnO, for example.~~

Claim 5 (Currently Amended): The diffusing layer as claimed in ~~any one of claims 1 to 4, characterized in that~~ claim 1 wherein the mineral particle ~~diffusing~~ layer is deposited on a substrate and the conducting layer is deposited on said ~~diffusing~~ mineral particle layer.

Claim 6 (Currently Amended): The diffusing layer as claimed in ~~any one of claims 1 to 4, characterized in that~~ claim 1 wherein the diffusing mineral particle layer is combined with a substrate, the conducting layer being placed between the substrate and the diffusing mineral particle layer.

Claim 7 (Currently Amended): The diffusing layer as claimed in ~~any one of claims 1 to 4, characterized in that~~ claim 1 wherein the diffusing mineral particle layer is combined with a substrate, the diffusing mineral particle layer being deposited on one of the sides of a said substrate, while the conducting layer is deposited on the opposite side of said substrate.

Claim 8 (Currently Amended): The diffusing layer as claimed in ~~any one of claims 1 to 4, characterized in that~~ claim 1 wherein the electromagnetic insulating device is incorporated into the diffusing mineral particle layer.

Claim 9 (Currently Amended): The diffusing layer as claimed in ~~any one of claims 1 to 8, characterized in that~~ claim 1 wherein the diffusing mineral particle layer is ~~made of elements comprising particles and~~ further comprises a binder, the binder allowing the mineral particles to be agglomerated with one another, ~~the insulating device consisting of one or other of said elements.~~

Claim 10 (Currently Amended): The diffusing layer as claimed in claim 9, ~~characterized in that~~ wherein the mineral particle comprises ~~particles are made of~~ metal or metal oxides.

Claim 11 (Currently Amended): The diffusing layer as claimed in claim 9, ~~characterized in that it contains particles of~~ wherein the mineral particle comprises ZrO_2 .

Claim 12 (Currently Amended): The diffusing layer as claimed in ~~one of claims 9 to 11, characterized in that~~ claim 9 wherein the mineral particle size is between 50 nm and 1 μm .

Claim 13 (Currently Amended): The diffusing layer as claimed in ~~any one of claims 9 to 12, characterized in that~~ claim 9 wherein the particles are based on mineral particle comprises F:SnO_2 or ITO.

Claim 14 (Currently Amended): The diffusing layer as claimed in claim 9, ~~characterized in that~~ wherein the binder is a mineral or an organic electrically conducting binder material.

Claim 15 (Currently Amended): The diffusing layer as claimed in ~~any one of claims 1 to 14, characterized in that~~ claim 5 wherein the substrate is a glass substrate.

Claim 16 (Currently Amended): The diffusing layer as claimed in ~~any one of claims 1 to 14, characterized in that~~ claim 5 wherein the substrate is a transparent substrate based on comprising a polymer, for example made of polycarbonate.

Claim 17 (Currently Amended): The diffusing layer as claimed in ~~any one of claims 1 to 16, characterized in that~~ claim 1 wherein the diffusing layer incorporates a coating

having a functionality other than that of insulating, particularly a coating with a low-emissivity function, antistatic function, antifouling function or an antifouling function.

Claim 18 (Currently Amended): The diffusing layer as claimed in ~~any one of claims 1 to 17, characterized in that~~ claim 1 wherein it has a light transmission T_L greater than 20% and preferably greater than 50%.

Claim 19 (Currently Amended): The diffusing layer as claimed in ~~one of claims 1 to 18, characterized in that~~ claim 1 wherein it has a thickness of between 0.5 and 5 μm .

Claim 20 (Currently Amended): ~~The use of a diffusing layer as described in one of claims 1 to 19 to produce~~ A method for producing a diffusing substrate in a system provided with light sources comprising adding a diffusing layer as claimed in claim 1 to a diffusing substrate in a system provided with light sources.

Claim 21 (Currently Amended): ~~The use of a diffusing layer as described in one of claims 1 to 19 to produce~~ A method for producing a diffusing substrate in a backlighting system comprising adding a diffusion layer as claimed in claim 1 to a diffusing substrate in a backlighting system.

Claim 22 (Currently Amended): ~~The use of a diffusing layer as claimed in claim 20, characterized in that~~ The method as claimed in claim 21 wherein the diffusing substrate is ~~one of the sheets~~ a sheet of glass that ~~make-up~~ comprises the backlighting system.

Claim 23 (Currently Amended): ~~The use of a diffusing layer as described in one of claims 1 to 19 to produce a~~ A method for producing a diffusing substrate in a flat lamp system comprising adding a diffusion layer as claimed in claim 1 to a diffusing substrate in a flat lamp system.

Claim 24 (Currently Amended): ~~The use of a diffusing layer as claimed in claim 23, characterized in that~~ The method as claimed in claim 23 wherein the diffusing substrate is one of the sheets a sheet of glass that make-up comprises the flat lamp system.

Claim 25 (Currently Amended): ~~The use of a diffusing layer as claimed in one of claims 20 to 24, characterized in that~~ The method as claimed in claim 20 wherein the diffusing substrate has a characteristic dimension tailored to “direct light” direct light applications.

Claim 26 (Currently Amended): ~~The use of a diffusing layer as claimed in one of claims 20 to 25, characterized in that~~ The method as claimed in claim 20 wherein the thickness and/or the cover density of the diffusion layer varies over the deposition surface.

Claim 27 (New): The diffusing layer as claimed in claim 4 wherein the transparent conducting oxide is selected from the group consisting of F:SnO₂, Sb:SnO₂, Sn:In₂O₃, Al:ZnO and mixtures thereof.

Claim 28 (New): The diffusing layer as claimed in claim 6 wherein the substrate is a glass substrate.

Claim 29 (New): The diffusing layer as claimed in claim 7 wherein the substrate is a glass substrate.

Claim 30 (New): The diffusing layer as claimed in claim 16 wherein the polymer is polycarbonate.

Claim 31 (New): The diffusing layer as claimed in claim 6 wherein the substrate is a transparent substrate comprising a polymer.

Claim 32 (New): The diffusing layer as claimed in claim 7 wherein the substrate is a transparent substrate comprising a polymer.

Claim 33 (New): A light source comprising the diffusion layer as claimed in Claim 1.

Claim 34 (New): A backlighting system comprising the diffusion layer as claimed in Claim 1.

Claim 35 (New): A lamp comprising the diffusion layer as claimed in Claim 1.